Danny Seel

Data Analytics & Science



On request
On Request
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pyvium.github.io

Summary

Results-oriented data science intern at IATA with a strong academic foundation from EPFL and Heriot-Watt, committed to continuous learning and analytical problem-solving. Experienced in adapting to diverse environments, having lived and studied in four countries. Passionate about transforming data into actionable insights that drive business success.

Skills

Technical skills:

- Python
- Java
- SQL (intermediate)
- Excel & Google Sheets for Data Analytics
- R (intermediate)
- Project Management

Soft Skills:

- Problem-Solving
- Adaptability
- Integrity
- Dependability
- Perseverance

Languages

- English (fluent)
- French (fluent)
- German (fluent)
- Russian (fluent)

Work Experience

Data Science Intern

IATA – International Air Transport Association in Geneva

October 2025 – Present

- Contributed to the **Total Market Estimates (TME)** by enhancing the quality of underlying data in global aviation market estimation
- Developed an **anomaly detection system** using **statistical** and **ML techniques** for three core datasets
- Leveraged **Python** and **SQL** within **VS Code** and **Snowflake** to implement the anomaly detection workflow
- Development of an **anomaly correction system** currently underway

Swiss Military Service (Alternative Service)

Lausanne Metropolitan Area

August 2024 – September 2025

- Adaptable and **"stood out for his reliability" (official work certificate)**

Academic Education

Master of Business Administration (MBA)

Heriot-Watt University in Edinburgh, Scotland

August 2023 – July 2024

- **Graduated with distinction, completing 18-month master's program in under 12 months**
- Average grade: 74% (UK grades of 70%+ correspond to a Swiss grade of 6)
- Reinforced analytical skills through **Business Analytics elective, scoring 90% (equivalent to 6+)**

Bachelor of Science (BSc) in Computer Science

EPFL in Lausanne, Switzerland

September 2020 - July 2023

- Key courses include database systems (SQL), machine learning (Python), object-oriented programming (Java), 5-person Android app project (Kotlin), system programming (C), functional programming (Scala), probabilities and statistics, algorithms and computer security, developing programming and problem-solving skills
- **Acquired practical data analytics skills through a Bachelor project analysing Twitch stream datasets using Jupyter Notebook**, investigating correlations between lag spikes and stream durations (grade: 5)

Swiss Matura (A-levels / high school certificate)

Gymnase de Nyon in Nyon, Switzerland

August 2017 - July 2020

- Specialisation: Physics & Applied Mathematics

Certifications

Google Data Analytics Professional Certificate

International Schooling

- Lived/studied in **Oxford** (UK), **Dublin** (Ireland), **Lausanne** (Switzerland) and multiple other cities in Germany and Switzerland